AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

- 1. (Original) A method of cleaning a contaminated material which comprises a solid material which is contaminated with a hydrocarbon, the method comprising the steps of:
- (A) contacting the contaminated material with a surface active agent thereby to form a first mixture including said contaminated material and said surface active agent;
- (B) contacting said first mixture with a carrier formulation to prepare a second mixture wherein said carrier formulation is arranged to interact with said surface active agent and/or said hydrocarbon;
- (C) separating said solid material in said second mixture from other components in the second mixture, wherein said solid material which is separated contains a lower level of said hydrocarbon compared to that in said contaminated material contacted in step (A).
- 2. (Original) A method according to claim 1, wherein said contaminated material contacted in the method comprises drill cuttings produced when drilling for oil or gas.
- 3. (Currently Amended) A method according to claim 1 or claim 2, wherein said contaminated material is contaminated with a drilling fluid and/or with petroleum.
- 4. (Currently Amended) A method according to any preceding claim claim 1, wherein said contaminated material comprises at least 5wt% of fluidic hydrocarbon(s).
- 5. (Currently Amended) A method according to any preceding claim claim 1,

wherein said contaminated material comprises at least 5wt% of oil.

- 6. (Currently Amended) A method according to any preceding claim claim 1, wherein, in the method, a mass of said contaminated material is selected and contacted with said surfactant and the ratio of the wt% of said mass to the wt% of said surfactant is at least 10 and is less than 200.
- 7. (Currently Amended) A method according to any preceding claim claim 1, wherein said surface active agent includes a hydrophobic moiety which has an aromatic ring system.
- 8. (Currently Amended) A method according to any preceding claim claim 1, wherein said surface active agent includes an hydrophilic moiety.
- 9. (Currently Amended) A method according to any preceding claim claim 1, wherein said surface active agent is an anionic surfactant.
- 10. (Currently Amended) A method according to any preceding claim claim 1, wherein said surface active agent is wholly soluble in oil of the type contaminating the solid material at 25°C.
- 11. (Currently Amended) A method according to any preceding claim claim 1, wherein said contaminated material contacted in step (A) comprises 10 to 20wt% of hydrocarbon contaminant and 80 to 90wt% of drill cuttings.
- 12. (Currently Amended) A method according to any preceding claim claim 1, wherein said first mixture contacted in step (B) comprises 100 parts by weight (pbw) of solid material, 10 to 20pbw of hydrocarbon(s); up to 5pbw of surface active agents; and up to 10pbw water.
- 13. (Currently Amended) A method according to any preceding claim claim 1,

wherein said carrier formulation contacted with said first mixture in step (B) includes a carrier which is arranged to interact with a hydrophilic moiety of said surface active material.

- 14. (Currently Amended) A method according to any preceding claim claim 1, wherein said carrier includes a polar moiety.
- 15. (Currently Amended) A method according to any preceding claim claim 1, wherein said carrier is a first polymeric material which includes a multiplicity of cationic moieties.
- 16. (Original) A method according to claim 15, wherein said first polymeric material includes hydroxyl groups pendent from a polymeric chain.
- 17. (Currently Amended) A method according to claim <u>1</u> 15 or claim 16 wherein said <u>carrier comprises a</u> first polymeric material <u>which</u> incorporates a polyvinyl alcohol moiety.
- 18. (Currently Amended) A method according to any preceding claim 1, wherein said carrier formulation is aqueous and includes at least 85wt% of water.
- 19. (Currently Amended) A method according to any preceding claim claim 1, wherein said carrier formulation comprises a said first polymeric material which comprises a second polymeric material cross-linked by a third polymeric material, wherein said third polymeric material comprises:
 - (i) a third polymeric material having a repeat unit of formula

wherein A and B are the same or different, are selected from optionally-substituted aromatic and heteroaromatic groups and at least one comprises a relatively polar atom or group and R¹ and R² independently comprise relatively non-polar atoms or groups; or

(ii) a third polymeric material prepared or preparable by providing a compound of general formula

$$A$$
 R
 R^2

wherein A, B, R¹ and R² are as described above, in an aqueous solvent and causing the groups C=C in said compound to react with one another to form said third polymeric material.

- 20. (Original) A method according to claim 19, wherein said third and second polymeric materials are reacted to form said first polymeric material prior to contact with said contaminated material.
- 21. (Currently Amended) A method according to claim 19-or claim 20, wherein, prior to step (B), said method comprises selecting a said third polymer material; selecting a second polymeric material which includes a functional group which is able to react in the presence of said third polymeric material to form said first polymeric material; and causing the formation of said first polymeric material by a reaction involving said third and second polymeric materials.
- 22. (Original) A method according to claim 21, wherein the ratio of the wt% of said third polymeric material to the wt% of said second polymeric material selected for preparation of said first polymeric material is less than 0.1 and is at least 0.01.
- 23. (Currently Amended) A method according to any of claims 19 to 22 claim

- 19, wherein one of A or B represents an optionally-substituted aromatic group and the other one represents an optionally-substituted heteroaromatic group.
- 24. (Currently Amended) A method according to any of claims 19 to 23 claim 19, wherein R₁ and R₂ are independently selected from a hydrogen atom or an optionally-substituted alkyl group.
- 25. (Currently Amended) A method according to any of claims 19 to 23 claim 19, wherein said third polymeric material is of formula:

wherein n is an integer.

- 26. (Currently Amended) A method according to any of claims 19 to 25 claim 19, wherein said second polymeric compound is selected from optionally-substituted polyvinyl alcohol, polyvinyl acetate and polyalkalene glycols.
- 27. (Currently Amended) A method according to any of claims 19 to 26 claim 19, wherein said second polymeric material includes at least one vinyl alcohol/vinyl acetate copolymer.
- 28. (Currently Amended) A method according to any preceding claim claim 17, wherein in step (B) said second mixture is mixed to effect intimate contact between the components therein.
- 29. (Currently Amended) A method according to any preceding claim claim 28, wherein step (C) includes allowing solid material to settle.
- 30. (Currently Amended) A method according to any preceding claim claim

- 29, wherein after step (B) and before step (C), said second mixture is contacted with further water.
- 31. (Currently Amended) A method according to any preceding claim claim 29, wherein after step (C) the method comprises, in a step (D), separating components which remain in said second mixture from one another.
- 32. (Original) A method according to claim 31, wherein in step (D), said carrier is caused to form a precipitate.
- 33. (Original) A method of cleaning a contaminated material comprising a solid material which is contaminated with a hydrocarbon, the method including the steps of:
- (A*) contacting the contaminated material with a first polymeric material and/or with second and third polymeric materials of the types described in any preceding claim to prepare a mixture; and
- (B*) separating solid material which is less contaminated than the contaminated material contacted in step (A) from other components in the mixture.
- 34. (Currently Amended) The use <u>decontamination of drill cuttings by</u> <u>applying an effective amount</u> of a first polymeric material and/or second and/or third polymeric materials according to the method as described in any preceding claim <u>1</u>, in the decontamination of drill cuttings.
- 35. (Currently Amended) Drill cuttings containing a trace of a first, second or third polymeric material as described in any preceding claim polyvinylalcohol.